FIG.1

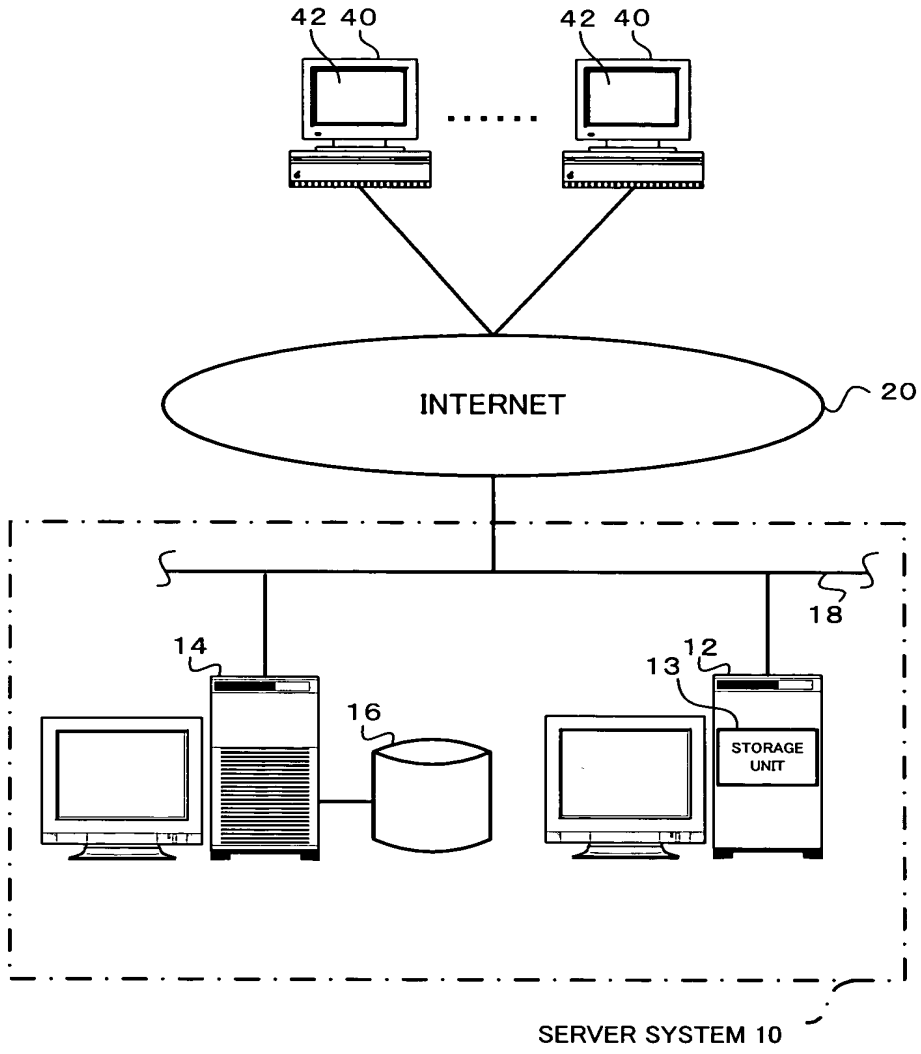

42 40
42 40
INTERNET
20
18
14
12
13
16
STORAGE UNIT
SERVER SYSTEM 10

FIG.2

Componentes	Classes	Values
CPUs	Pentium166MHz or below	¥XXXX
	Pentium2 300MHz or below	¥XXYY
	Pentium2 450MHz or below	¥YYYY
	. . .	. . .
Memories	No Memory	¥ 0
	64MB or less	¥ZZZ
	128MBor less	¥ZZY
	. . .	. . .
HDDs	No HDD	¥ 0
	10GB or less	¥WWW
	40GB or less	¥WWY
	. . .	. . .

*) Pentium is the registered trademark of Intel Corp.
The symbol X, Y, Z and W represent numerals or characters.

FIG.3

Commodity Name	Commodity Price
Laptop PC/AA	¥200, 000
Laptop PC/BB	¥160, 000
Desktop PC/CC	¥220, 000
Desktop PC/DD	¥200, 000

FIG.4

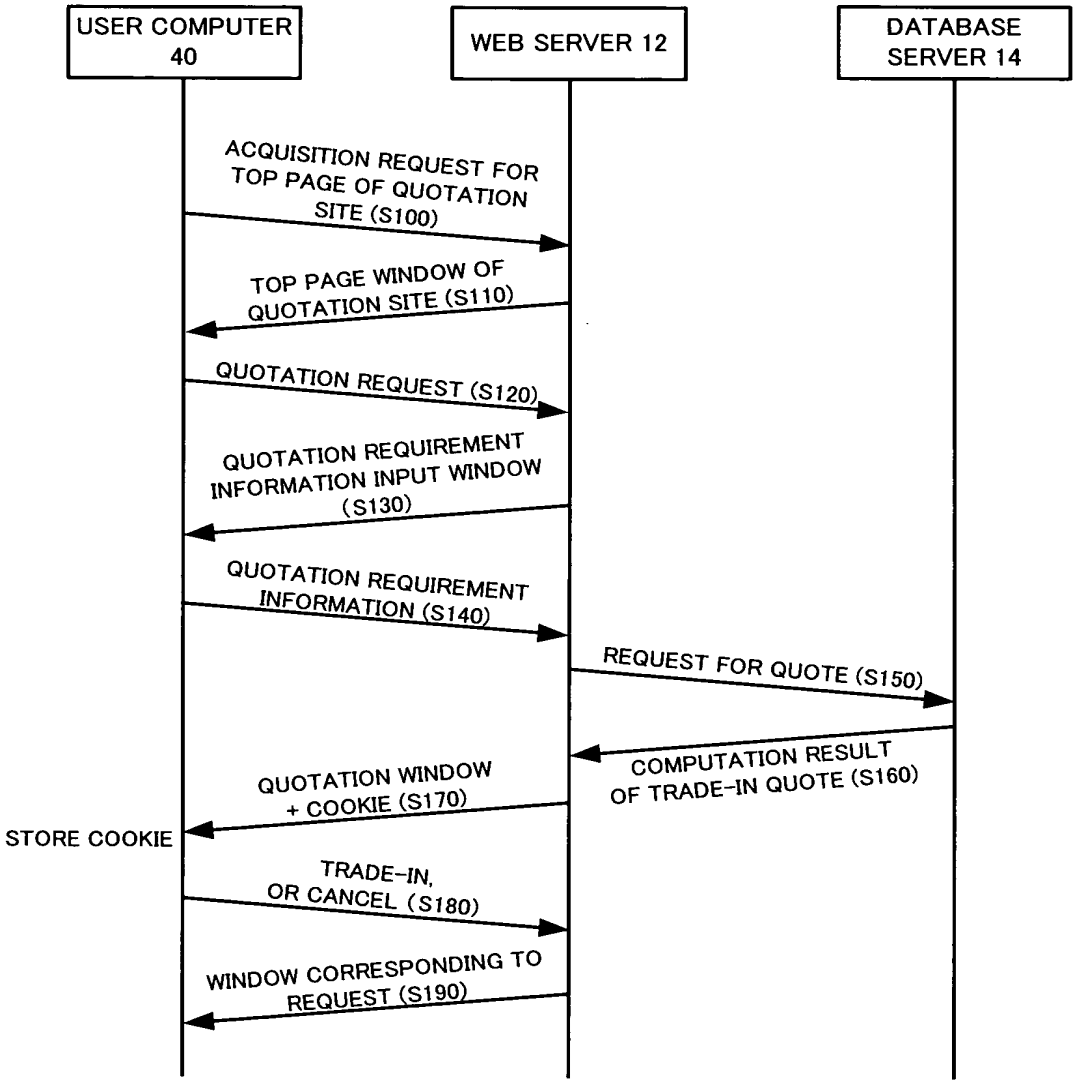

USER COMPUTER 40
WEB SERVER 12
DATABASE SERVER 14
ACQUISITION REQUEST FOR TOP PAGE OF QUOTATION SITE (S100)
TOP PAGE WINDOW OF QUOTATION SITE (S110)
QUOTATION REQUEST (S120)
QUOTATION REQUIREMENT INFORMATION INPUT WINDOW (S130)
QUOTATION REQUIREMENT INFORMATION (S140)
REQUEST FOR QUOTE (S150)
COMPUTATION RESULT OF TRADE-IN QUOTE (S160)
QUOTATION WINDOW + COOKIE (S170)
STORE COOKIE
TRADE-IN, OR CANCEL (S180)
WINDOW CORRESPONDING TO REQUEST (S190)

FIG.5

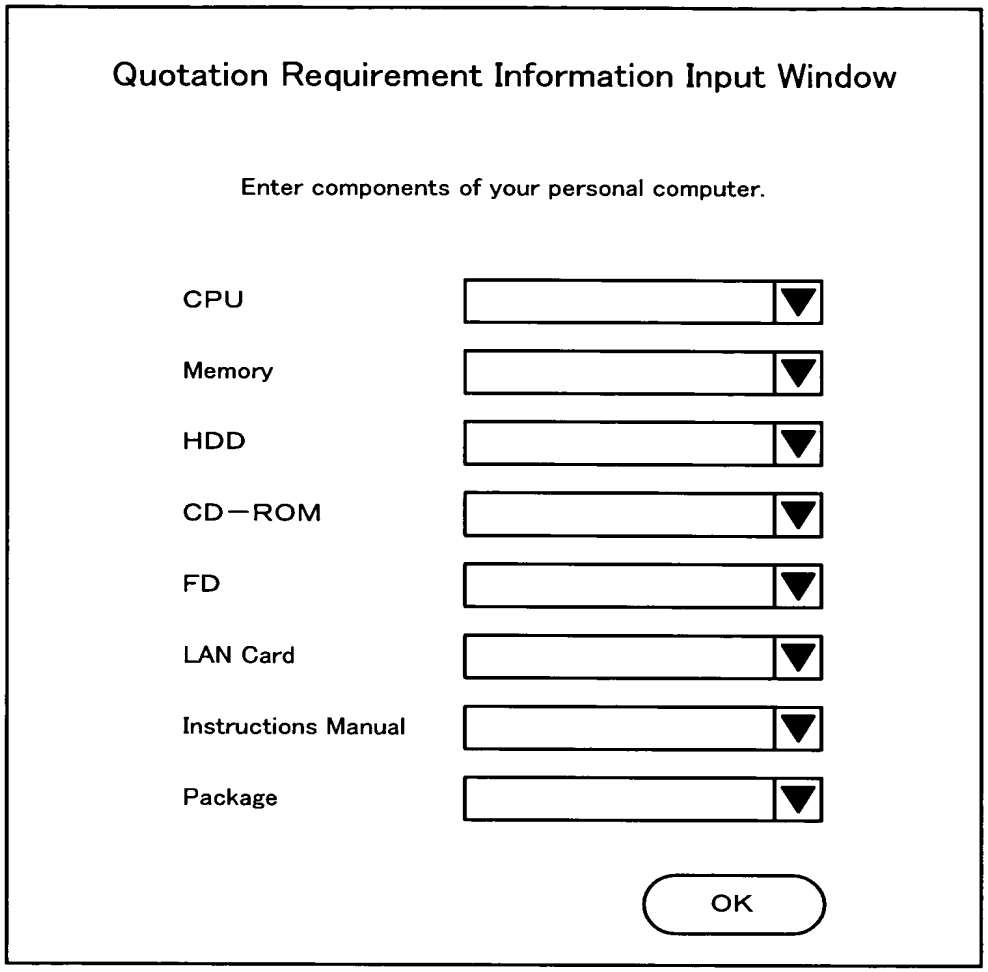

Quotation Requirement Information Input Window
Enter components of your personal computer.
CPU
Memory
HDD
CD−ROM
FD
LAN Card
Instructions Manual
Package
OK

FIG.6

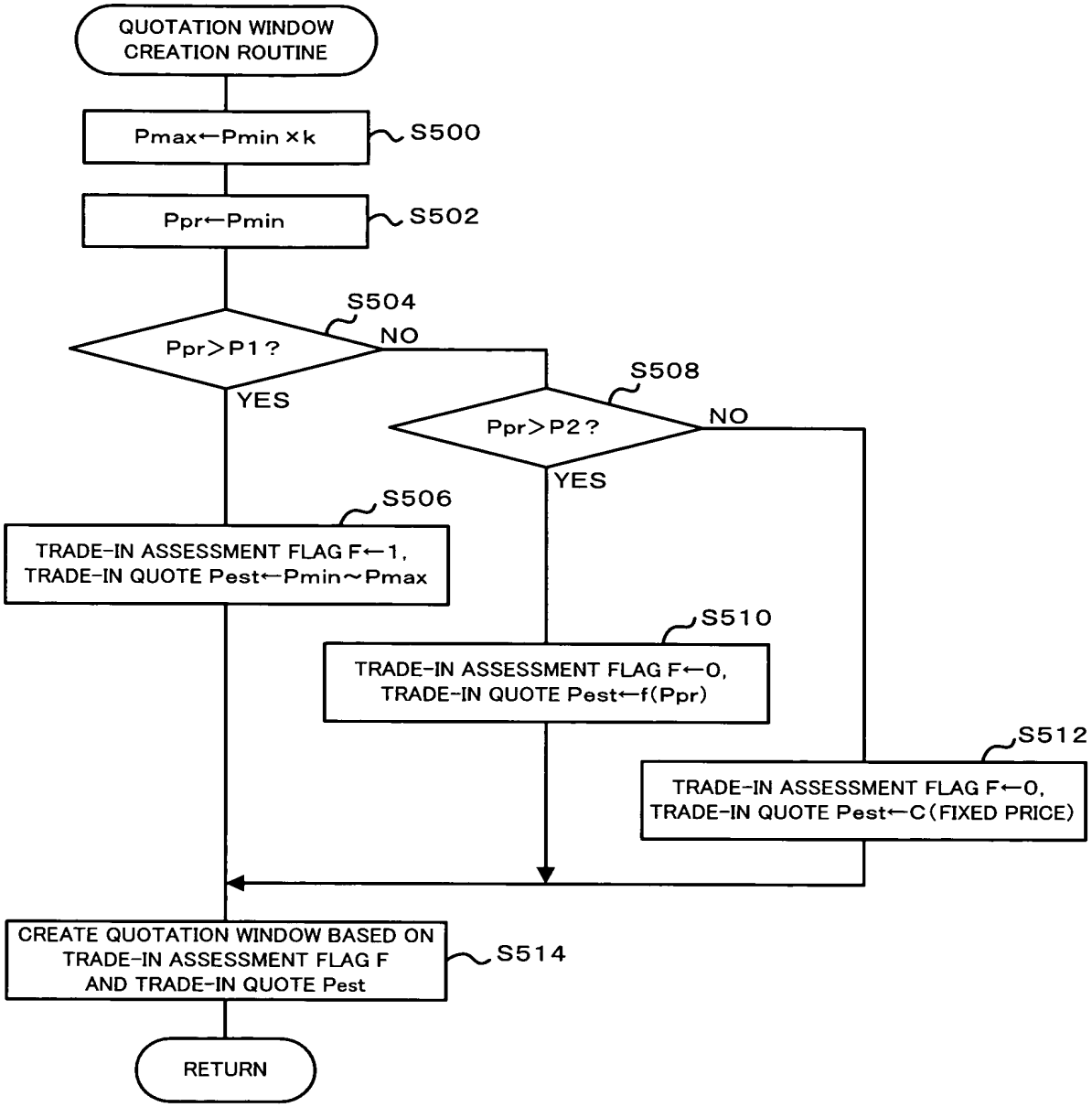

QUOTATION WINDOW CREATION ROUTINE
Pmax←Pmin×k
S500
Ppr←Pmin
S502
S504
Ppr>P1?
NO
YES
S508
Ppr>P2?
NO
YES
S506
TRADE-IN ASSESSMENT FLAG F←1,
TRADE-IN QUOTE Pest←Pmin~Pmax
S510
TRADE-IN ASSESSMENT FLAG F←0,
TRADE-IN QUOTE Pest←f(Ppr)
S512
TRADE-IN ASSESSMENT FLAG F←0,
TRADE-IN QUOTE Pest←C(FIXED PRICE)
CREATE QUOTATION WINDOW BASED ON
TRADE-IN ASSESSMENT FLAG F
AND TRADE-IN QUOTE Pest
S514
RETURN

FIG.7

Tentative Quote Ppr		Requirement of Assessment	Trade-in Quote Pest	Deduction D
Ppr＞P1		Required	Pest←Pmin～Pmax	D←Pmin
P1≧Ppr	P1≧Ppr＞P2	Non-required	Pest←f(Ppr)	D←Pest(＝f(Ppr))
	P2≧Ppr		Pest←C	D←Pest(＝C)

FIG.8

(a)

Quotation Window

Your used personal computer is quoted as:

Trade-in Quote Min.¥30, 000～Max.¥40, 000

Notandum

1. The trade-in quote represents a quote with purchase of a new commodity.
2. The final trade-in price will be determined in the range of the minimum value and the maximum value after the system makes an assessment of the used article.
3. Any malfunctioning used article is not the subject of trade-in.
4. The proprietary right to the used article is automatically transferred to the system at the time when the used article is delivered to the system.

Trade-in Request | Cancel

(b)

Quotation Window

Your used personal computer is quoted as:

Trade-in Quote Settled Price ¥7, 500

Notandum

1. The trade-in quote represents a quote with purchase of a new commodity.
2. The final trade-in price is settled as the trade-in quote. No assessment will be carried out.
3. ····

(c)

Quotation Window

Your used personal computer is quoted as:

Trade-in Quote Settled Price ¥5, 000

Notandum

1. The trade-in quote represents a quote with purchase of a new commodity.
2. The final trade-in price is settled as the trade-in quote. No assessment will be carried out.
3. ····

FIG.9

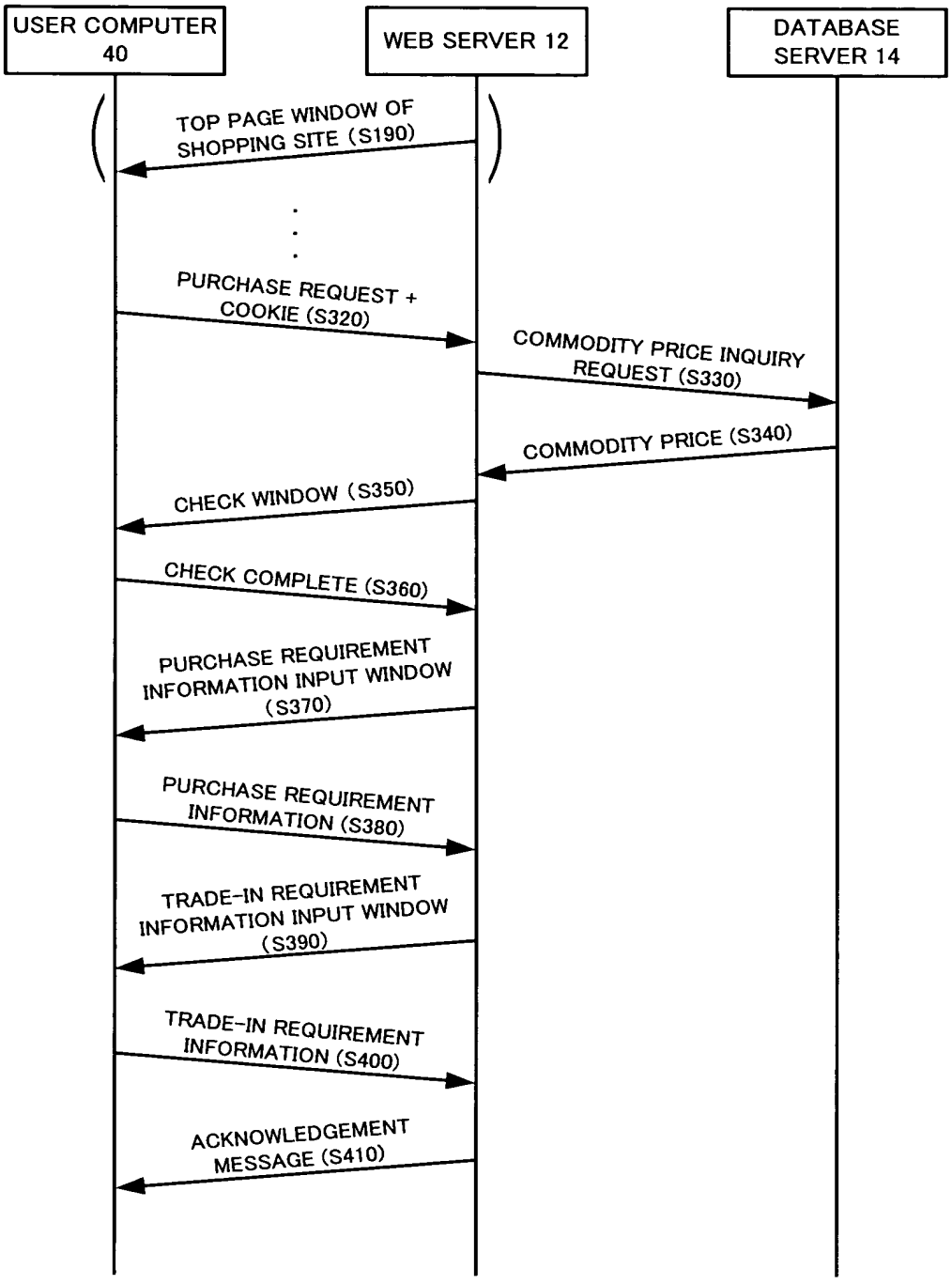

USER COMPUTER 40
WEB SERVER 12
DATABASE SERVER 14
TOP PAGE WINDOW OF SHOPPING SITE (S190)
PURCHASE REQUEST + COOKIE (S320)
COMMODITY PRICE INQUIRY REQUEST (S330)
COMMODITY PRICE (S340)
CHECK WINDOW (S350)
CHECK COMPLETE (S360)
PURCHASE REQUIREMENT INFORMATION INPUT WINDOW (S370)
PURCHASE REQUIREMENT INFORMATION (S380)
TRADE-IN REQUIREMENT INFORMATION INPUT WINDOW (S390)
TRADE-IN REQUIREMENT INFORMATION (S400)
ACKNOWLEDGEMENT MESSAGE (S410)

FIG.10

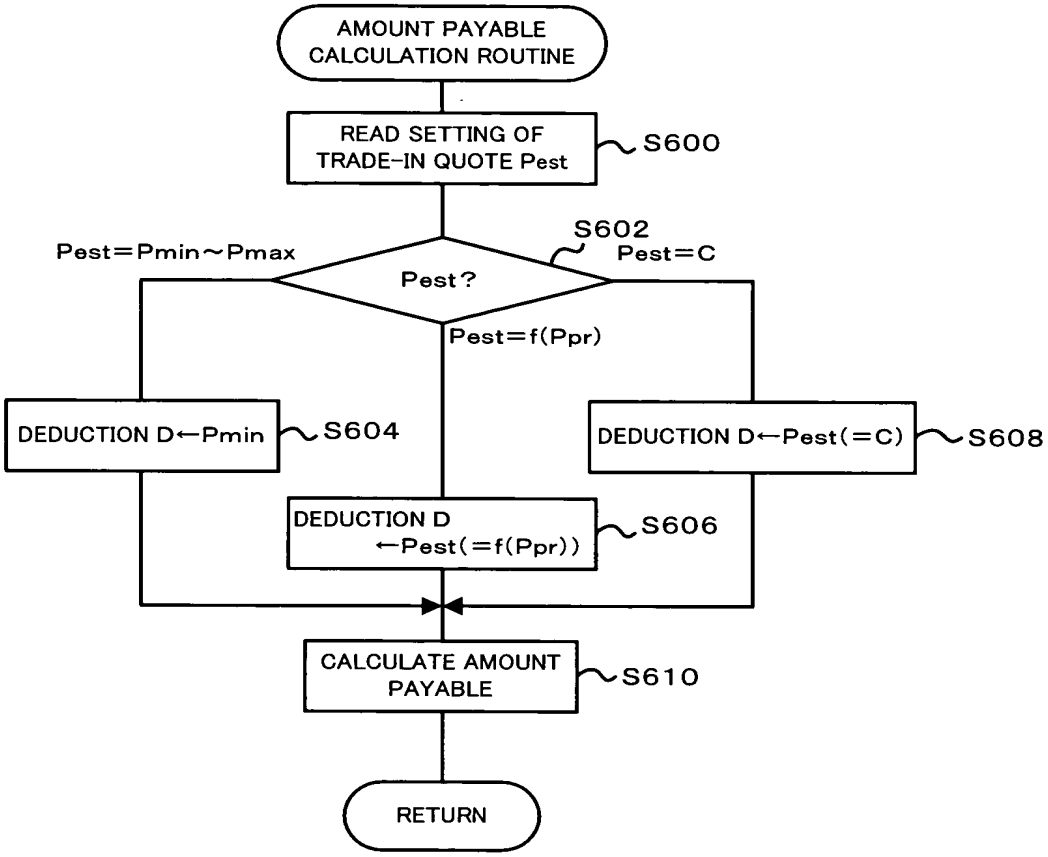

AMOUNT PAYABLE CALCULATION ROUTINE
READ SETTING OF TRADE-IN QUOTE Pest
S600
S602
Pest=Pmin~Pmax
Pest=C
Pest?
Pest=f(Ppr)
DEDUCTION D←Pmin
S604
DEDUCTION D←Pest(=C)
S608
DEDUCTION D ←Pest(=f(Ppr))
S606
CALCULATE AMOUNT PAYABLE
S610
RETURN

FIG.11

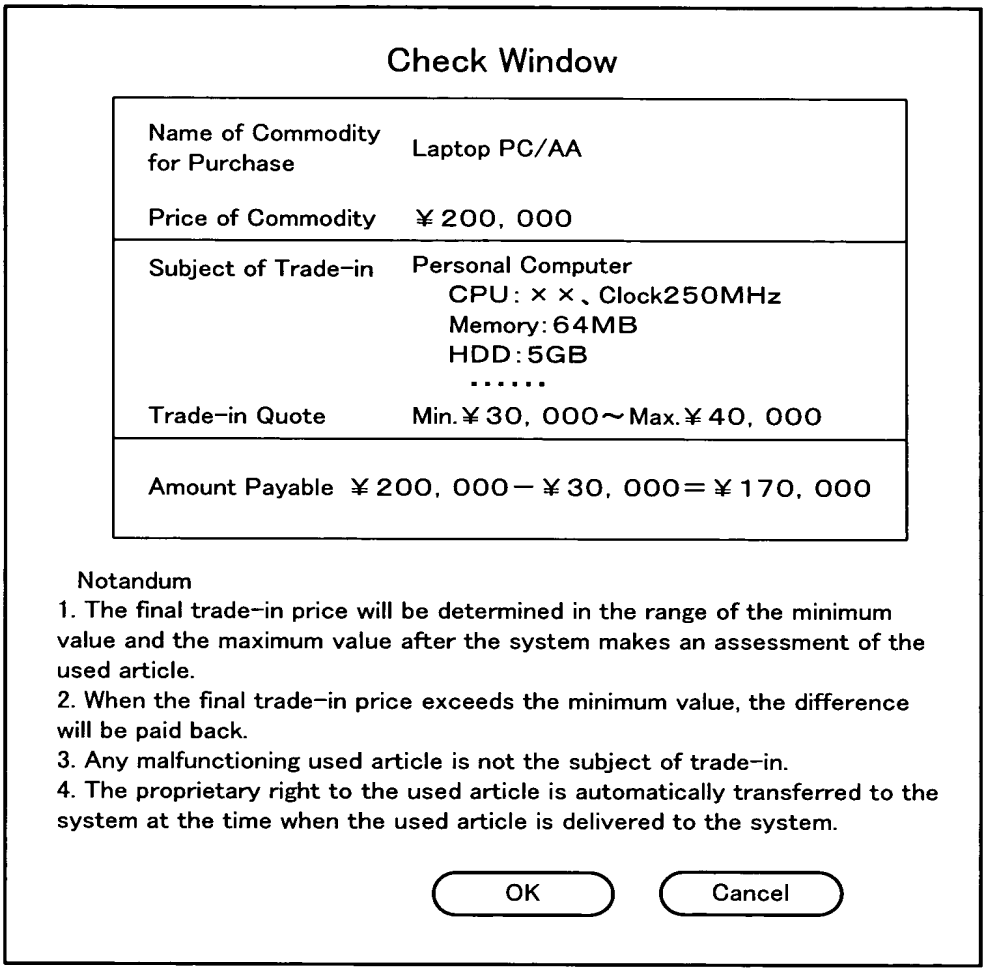

Check Window
Name of Commodity for Purchase
Laptop PC/AA
Price of Commodity
¥200, 000
Subject of Trade-in
Personal Computer
CPU: ××、Clock250MHz
Memory: 64MB
HDD: 5GB
.....
Trade-in Quote
Min.¥30, 000～Max.¥40, 000
Amount Payable ¥200, 000－¥30, 000＝¥170, 000
Notandum
1. The final trade-in price will be determined in the range of the minimum value and the maximum value after the system makes an assessment of the used article.
2. When the final trade-in price exceeds the minimum value, the difference will be paid back.
3. Any malfunctioning used article is not the subject of trade-in.
4. The proprietary right to the used article is automatically transferred to the system at the time when the used article is delivered to the system.
OK
Cancel

FIG.12

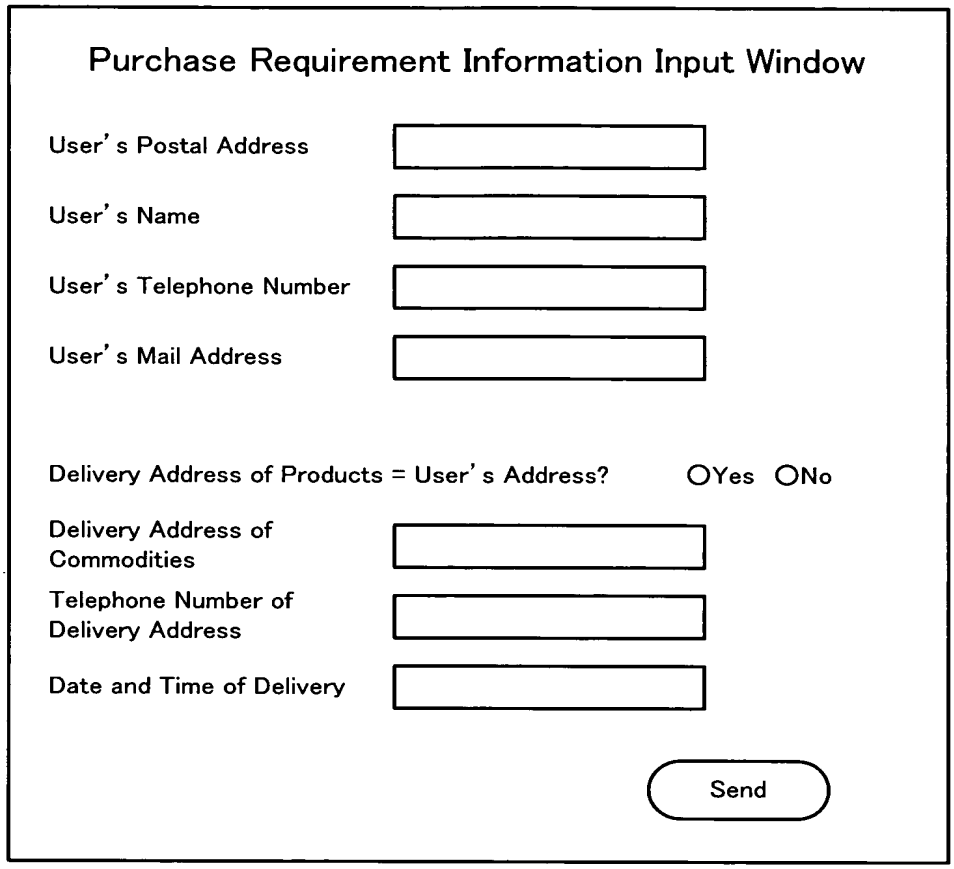

Purchase Requirement Information Input Window
User's Postal Address
User's Name
User's Telephone Number
User's Mail Address
Delivery Address of Products = User's Address?
Yes
No
Delivery Address of Commodities
Telephone Number of Delivery Address
Date and Time of Delivery
Send

FIG.13

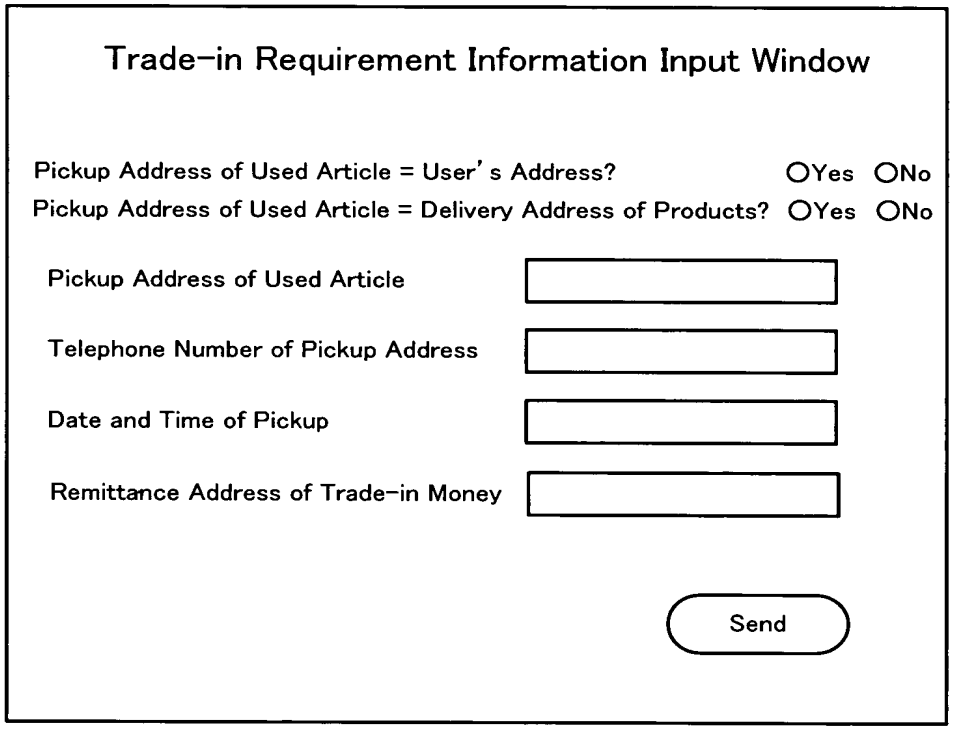

Trade-in Requirement Information Input Window
Pickup Address of Used Article = User's Address? OYes ONo
Pickup Address of Used Article = Delivery Address of Products? OYes ONo
Pickup Address of Used Article
Telephone Number of Pickup Address
Date and Time of Pickup
Remittance Address of Trade-in Money
Send

FIG.14

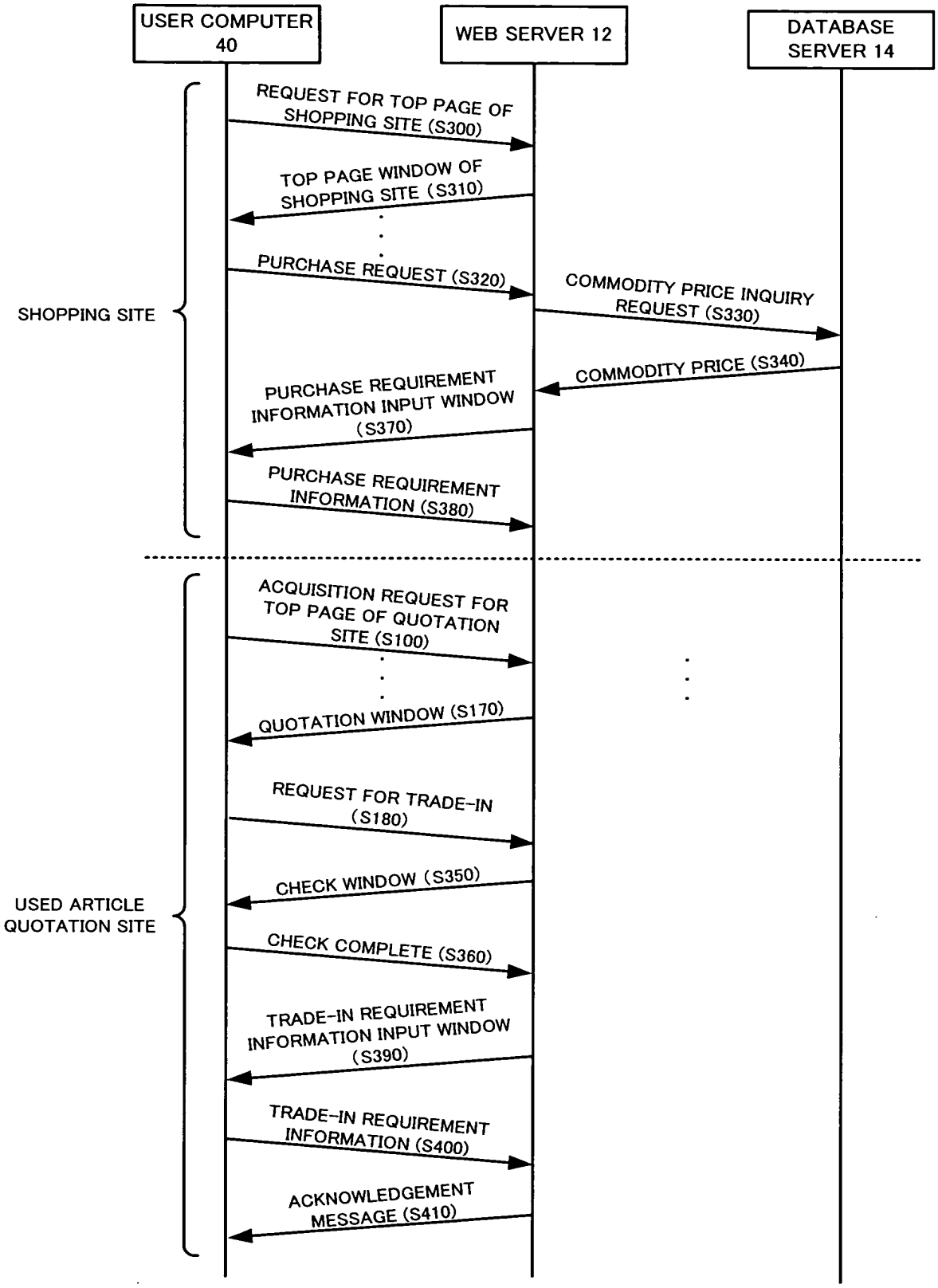

USER COMPUTER 40
WEB SERVER 12
DATABASE SERVER 14
REQUEST FOR TOP PAGE OF SHOPPING SITE (S300)
TOP PAGE WINDOW OF SHOPPING SITE (S310)
PURCHASE REQUEST (S320)
COMMODITY PRICE INQUIRY REQUEST (S330)
COMMODITY PRICE (S340)
PURCHASE REQUIREMENT INFORMATION INPUT WINDOW (S370)
PURCHASE REQUIREMENT INFORMATION (S380)
SHOPPING SITE
ACQUISITION REQUEST FOR TOP PAGE OF QUOTATION SITE (S100)
QUOTATION WINDOW (S170)
REQUEST FOR TRADE-IN (S180)
CHECK WINDOW (S350)
CHECK COMPLETE (S360)
TRADE-IN REQUIREMENT INFORMATION INPUT WINDOW (S390)
TRADE-IN REQUIREMENT INFORMATION (S400)
ACKNOWLEDGEMENT MESSAGE (S410)
USED ARTICLE QUOTATION SITE

FIG.15

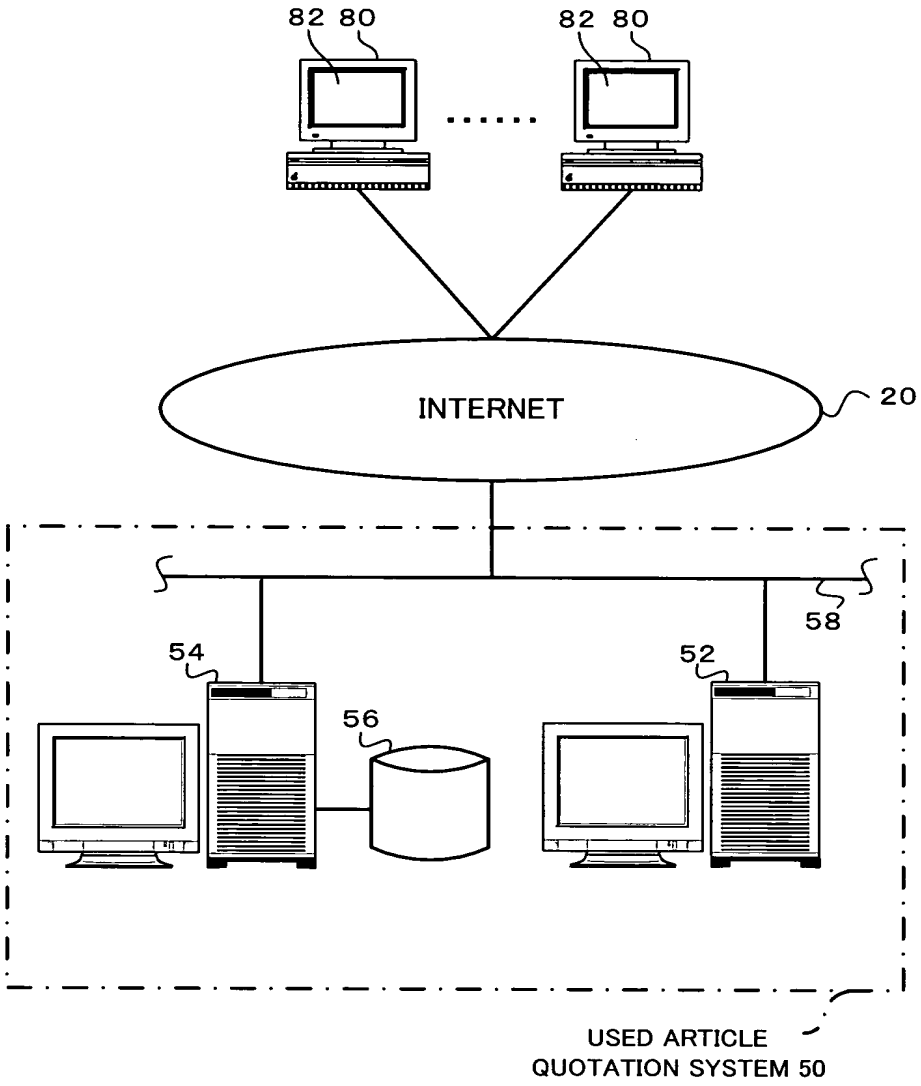

82 80
82 80
INTERNET
20
58
54
52
56
USED ARTICLE
QUOTATION SYSTEM 50

FIG.16

Componentes	Classes	Values
CPUs	Pentium166MHz or below	¥ XXXX
	Pentium2 300MHz or below	¥ XXYY
	Pentium2 450MHz or below	¥ YYYY
	. . .	. . .
Memories	No Memory	¥ 0
	64MB or less	¥ ZZZ
	128MBor less	¥ ZZY
	. . .	. . .
HDDs	No HDD	¥ 0
	10GB or less	¥ WWW
	40GB or less	¥ WWY
	. . .	. . .

*) Pentium is the registered trademark of Intel Corp.
The symbol X, Y, Z and W represent numerals or characters.

FIG.17

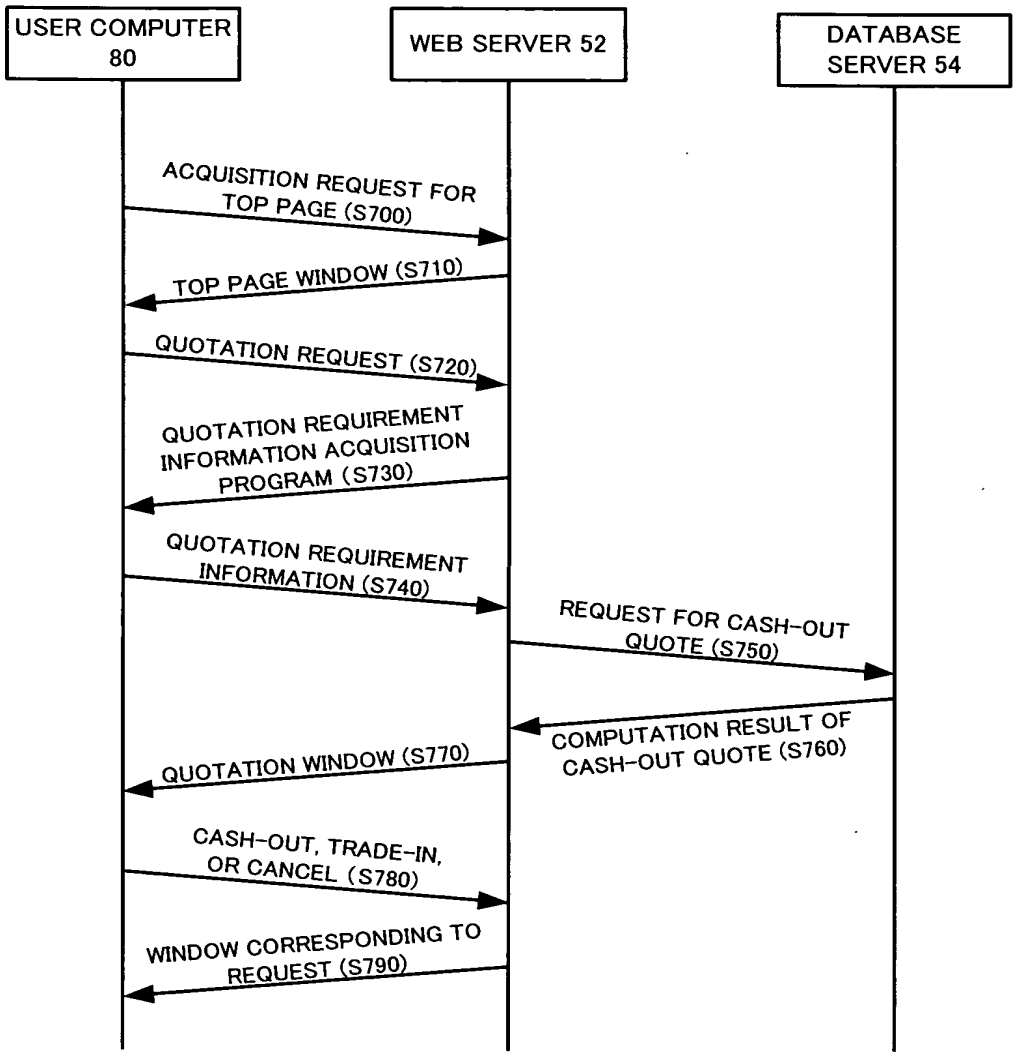

USER COMPUTER 80
WEB SERVER 52
DATABASE SERVER 54
ACQUISITION REQUEST FOR TOP PAGE (S700)
TOP PAGE WINDOW (S710)
QUOTATION REQUEST (S720)
QUOTATION REQUIREMENT INFORMATION ACQUISITION PROGRAM (S730)
QUOTATION REQUIREMENT INFORMATION (S740)
REQUEST FOR CASH-OUT QUOTE (S750)
COMPUTATION RESULT OF CASH-OUT QUOTE (S760)
QUOTATION WINDOW (S770)
CASH-OUT, TRADE-IN, OR CANCEL (S780)
WINDOW CORRESPONDING TO REQUEST (S790)

FIG.18

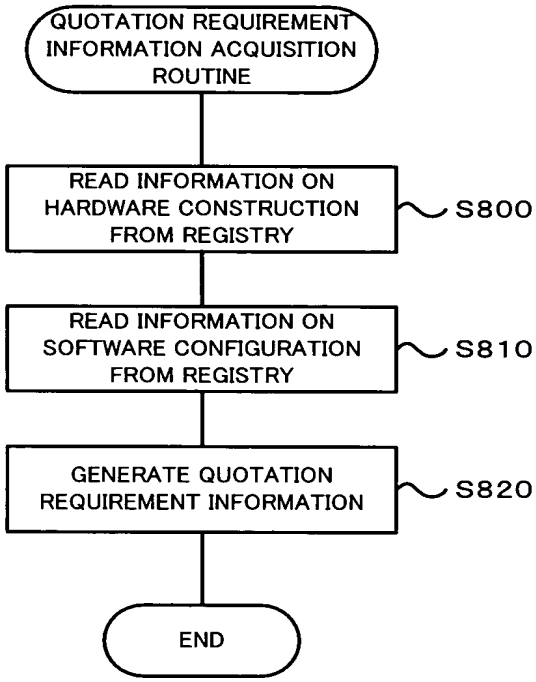

QUOTATION REQUIREMENT INFORMATION ACQUISITION ROUTINE
READ INFORMATION ON HARDWARE CONSTRUCTION FROM REGISTRY
S800
READ INFORMATION ON SOFTWARE CONFIGURATION FROM REGISTRY
S810
GENERATE QUOTATION REQUIREMENT INFORMATION
S820
END

FIG.19

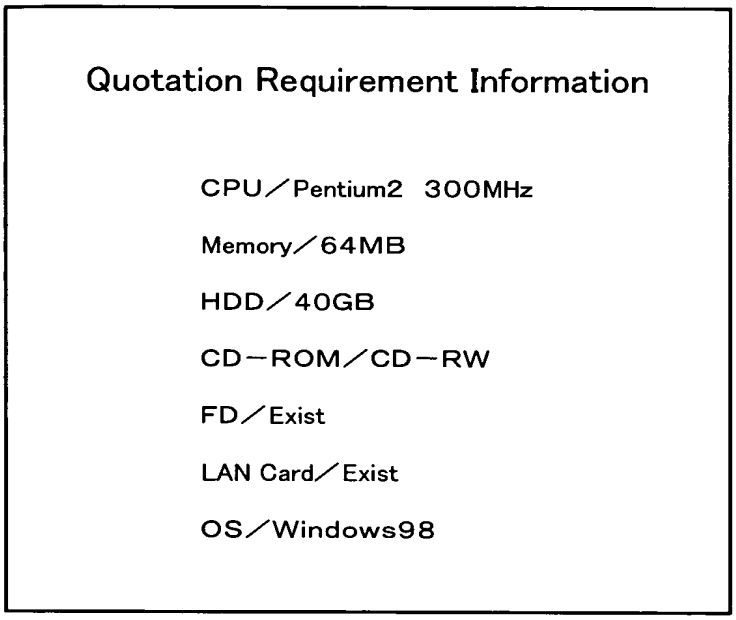

Quotation Requirement Information
CPU／Pentium2 300MHz
Memory／64MB
HDD／40GB
CD－ROM／CD－RW
FD／Exist
LAN Card／Exist
OS／Windows98

FIG.20

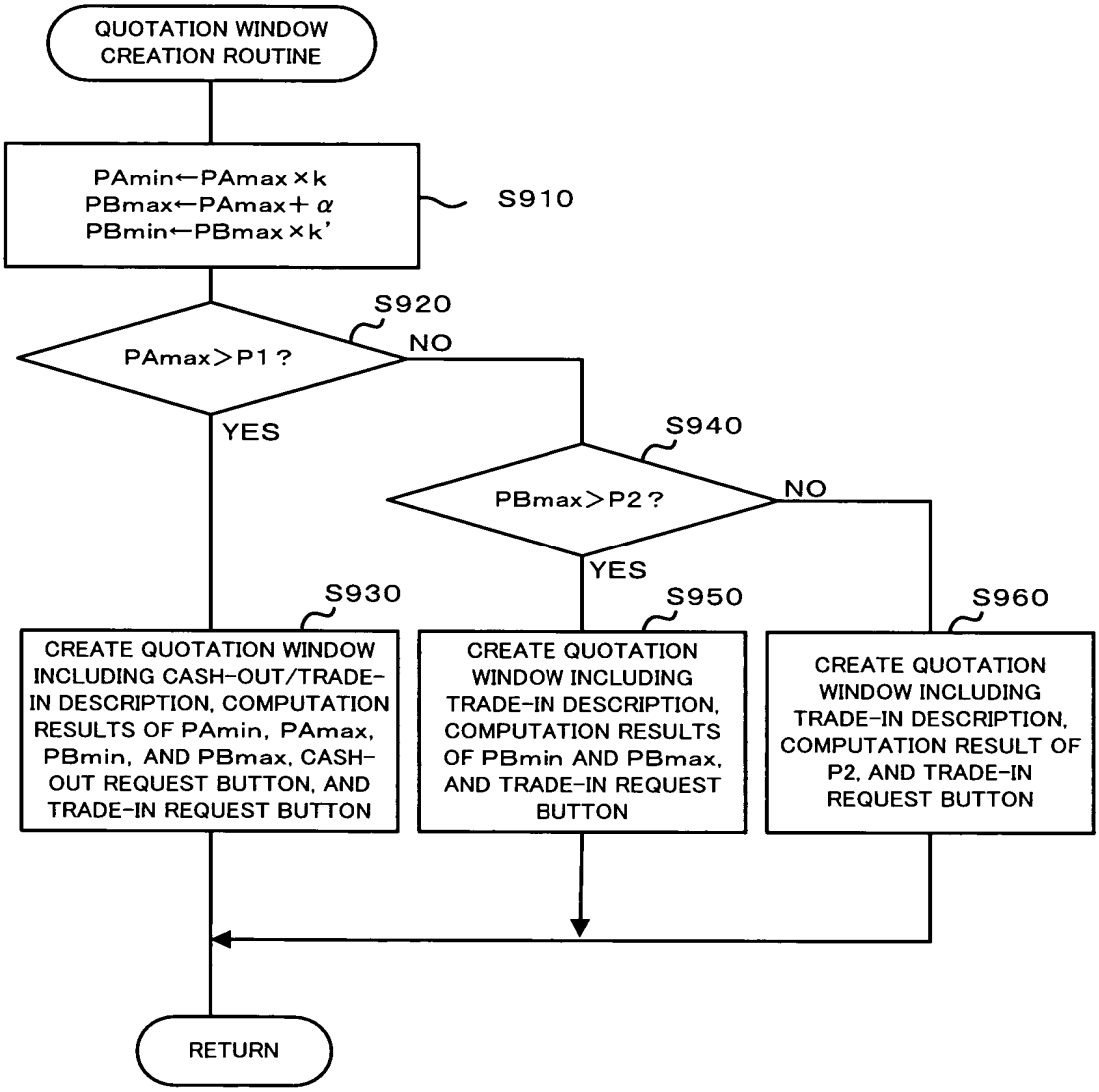

QUOTATION WINDOW CREATION ROUTINE
PAmin←PAmax×k
PBmax←PAmax+α
PBmin←PBmax×k'
S910
S920
PAmax>P1?
NO
YES
S940
PBmax>P2?
NO
YES
S930
S950
S960
CREATE QUOTATION WINDOW INCLUDING CASH-OUT/TRADE-IN DESCRIPTION, COMPUTATION RESULTS OF PAmin, PAmax, PBmin, AND PBmax, CASH-OUT REQUEST BUTTON, AND TRADE-IN REQUEST BUTTON
CREATE QUOTATION WINDOW INCLUDING TRADE-IN DESCRIPTION, COMPUTATION RESULTS OF PBmin AND PBmax, AND TRADE-IN REQUEST BUTTON
CREATE QUOTATION WINDOW INCLUDING TRADE-IN DESCRIPTION, COMPUTATION RESULT OF P2, AND TRADE-IN REQUEST BUTTON
RETURN

FIG.21

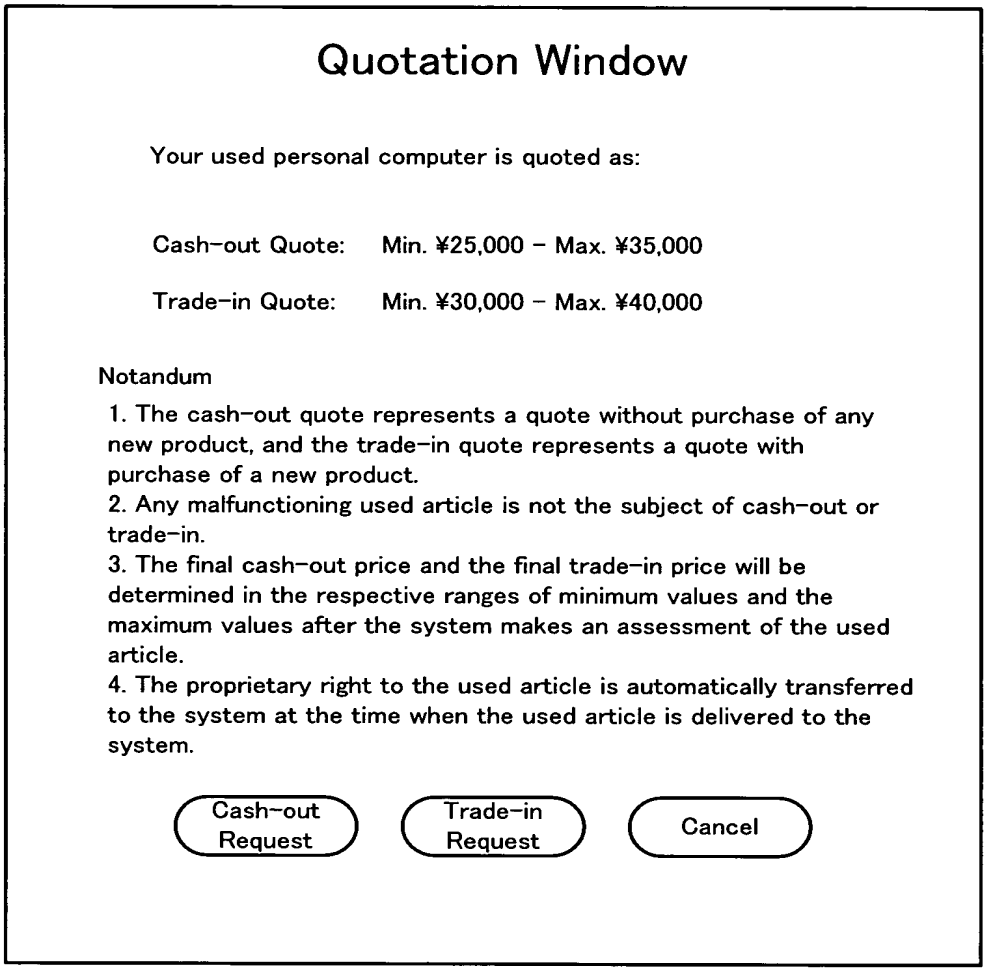

Quotation Window
Your used personal computer is quoted as:
Cash-out Quote: Min. ¥25,000 - Max. ¥35,000
Trade-in Quote: Min. ¥30,000 - Max. ¥40,000
Notandum
1. The cash-out quote represents a quote without purchase of any new product, and the trade-in quote represents a quote with purchase of a new product.
2. Any malfunctioning used article is not the subject of cash-out or trade-in.
3. The final cash-out price and the final trade-in price will be determined in the respective ranges of minimum values and the maximum values after the system makes an assessment of the used article.
4. The proprietary right to the used article is automatically transferred to the system at the time when the used article is delivered to the system.
Cash-out Request
Trade-in Request
Cancel

FIG.22

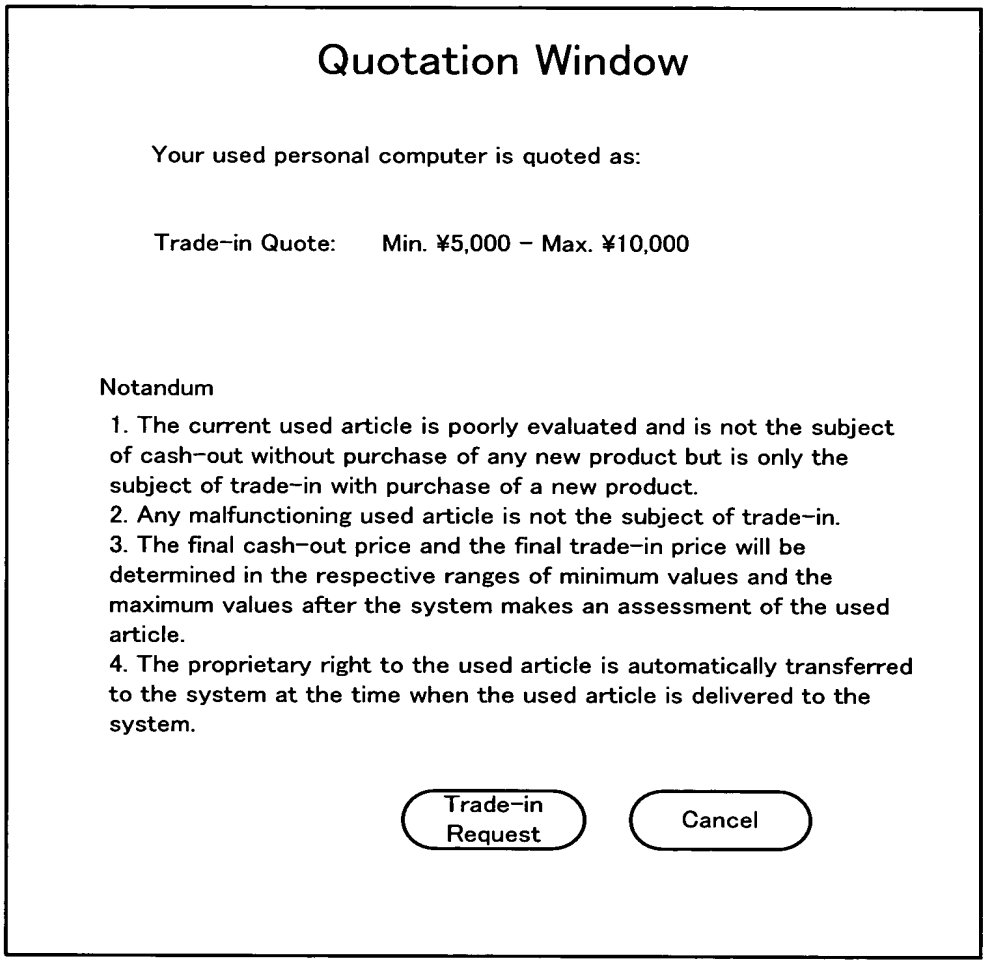
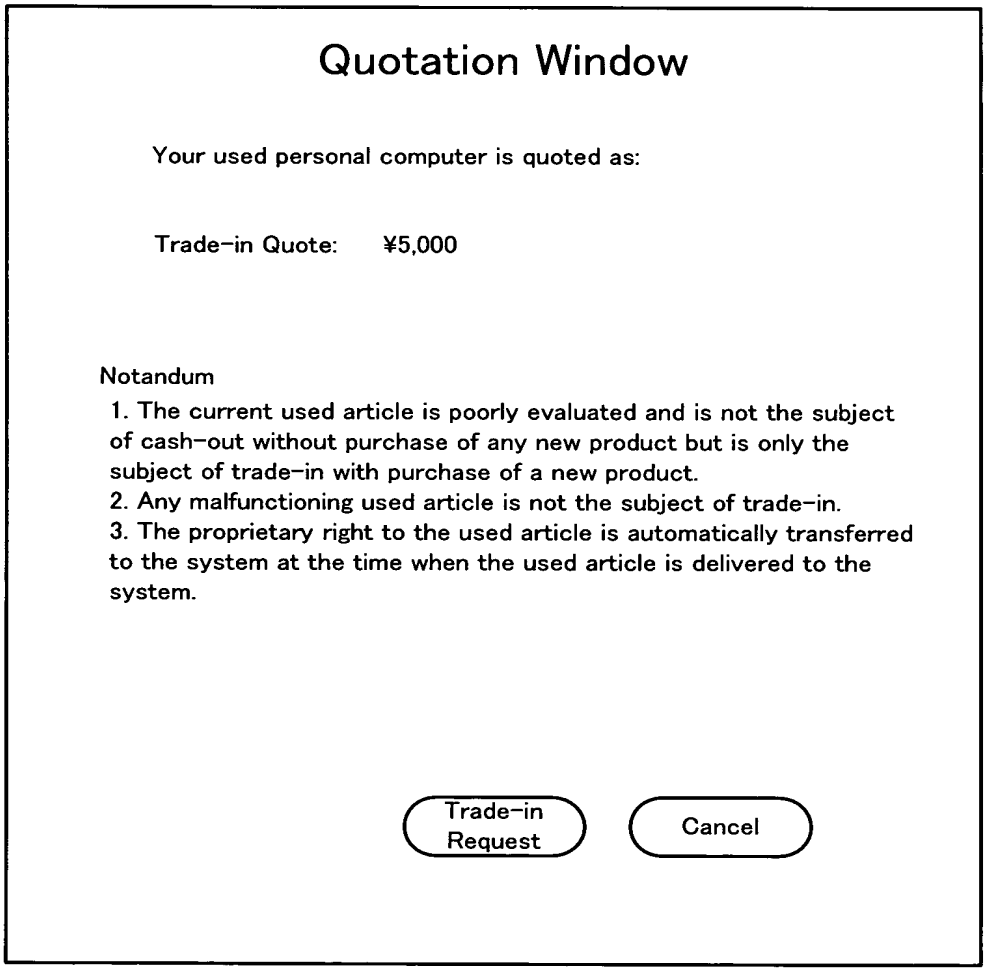

Quotation Window
Your used personal computer is quoted as:
Trade-in Quote: Min. ¥5,000 – Max. ¥10,000
Notandum
1. The current used article is poorly evaluated and is not the subject of cash-out without purchase of any new product but is only the subject of trade-in with purchase of a new product.
2. Any malfunctioning used article is not the subject of trade-in.
3. The final cash-out price and the final trade-in price will be determined in the respective ranges of minimum values and the maximum values after the system makes an assessment of the used article.
4. The proprietary right to the used article is automatically transferred to the system at the time when the used article is delivered to the system.
Trade-in Request
Cancel

FIG.23


Quotation Window
Your used personal computer is quoted as:
Trade-in Quote: ¥5,000
Notandum
1. The current used article is poorly evaluated and is not the subject of cash-out without purchase of any new product but is only the subject of trade-in with purchase of a new product.
2. Any malfunctioning used article is not the subject of trade-in.
3. The proprietary right to the used article is automatically transferred to the system at the time when the used article is delivered to the system.
Trade-in Request
Cancel